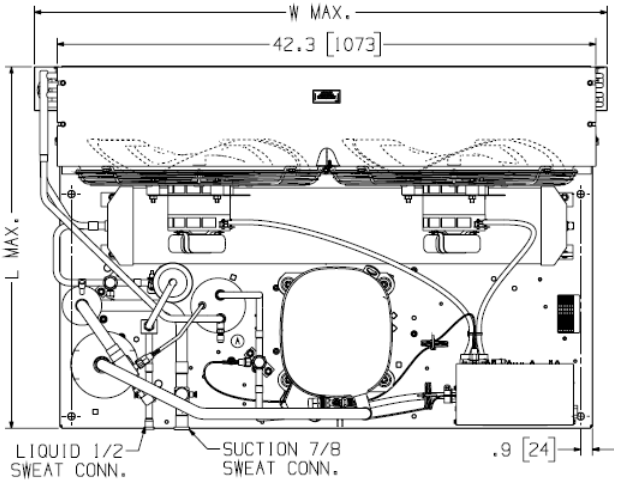
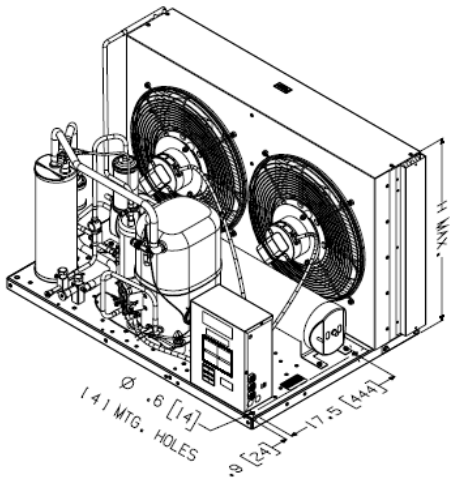
March 16, 2011

Tecumseh Compressor Company
Indoor Condensing Units

Model: AGA4560EXNXF **BoM: 2A5109-1** **R-22** **5 HP** **AIRCOOLED**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AGA4560EXNXF	28.6	44.9	26.9	18.3	7/8" S	1/2" S	51.33 lbs	4200	65	380
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
20	43.0	44770	4930	103	41457	5017	109	37575	5115	117	33100	5220	126
25	48.8	49238	5327	104	45113	5411	111	40700	5516	119	36600	5651	128
30	54.8	52813	5720	105	49438	5810	112	45500	5925	120	41000	6080	129
35	61.5	56647	6047	106	53516	6166	113	49788	6313	121	45350	6500	132
40	68.5	60532	6372	108	57544	6524	115	53975	6705	123	49700	6920	133
45	76.0	65059	6734	110	62003	6948	117	58313	7173	125	53800	7370	135
50	84.0	67782	7128	113	64844	7343	120	61350	7580	128	57200	7820	139
55	92.6	70505	7441	115	67877	7697	122	64432	7988	130	59600	8300	140

60 Hz Performance

Return gas temp. 65°F, 5°F sub cooling

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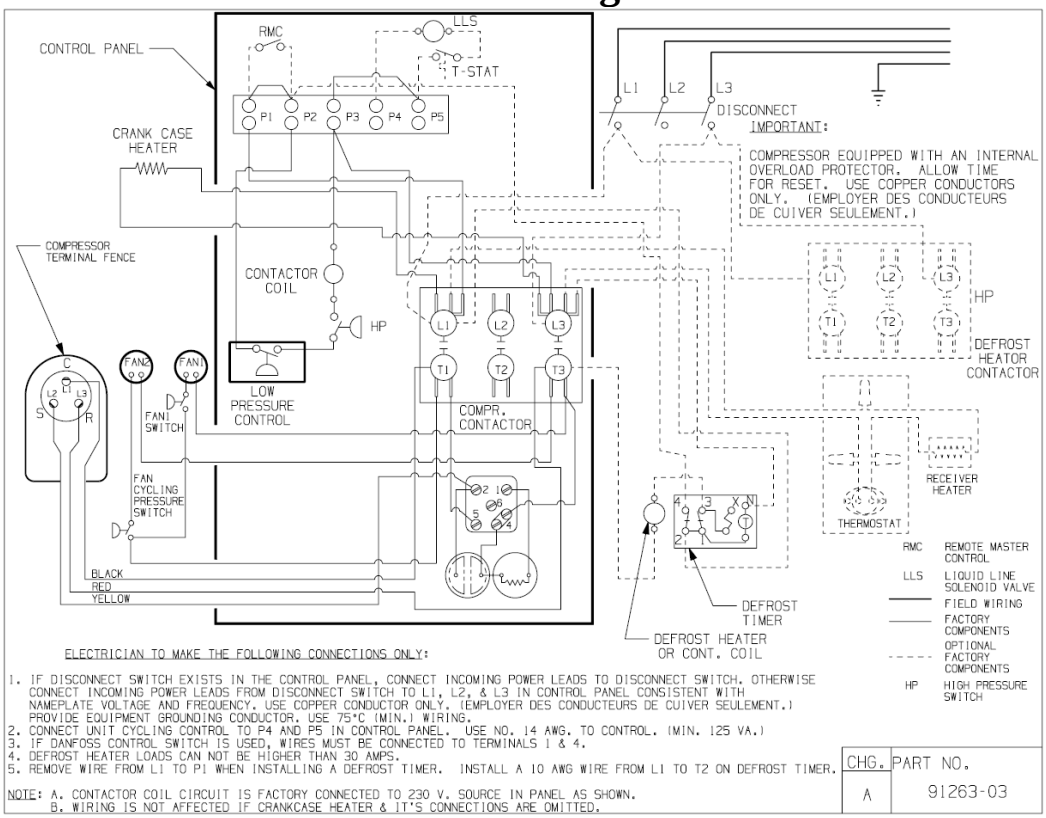
Specifications/ Parts:

Model	AGA4560EXNXF
Unit Bill of Material	2A5109-1
Nominal Volts-Hz-Ph	208-230-60-1
Refrigeration Range	20° to 55°F
Design Pressure Low	150
Design Pressure High	450
Voltage Range	187 to 254
Min. Circuit Ampacity	42.1
Max. Fuse Size (amps)	70
Compressor Model	AGA5561EXN
Comp. Bill of Material	AG133ET-018-P2
Compressor RLA/LRA	30.5 / 165.0
Overload	INTERNAL
Relay	820ARR3H46
Run Capacitor	85PR440E90
Run Capacitor Rating	55MFD 440V(M)VDE
Start Capacitor	85PS330D16
Start Capacitor Rating	130-156 MFD 330V VDE
Contactor	91013
Unit Drawing	DGU1901-45
Wiring Diagram	91263-03

Fan Motor	810S186B40 (2)
Fan Motor RLA	1.9 Each
Fan Blade	51528-3 (2)
Fan Guard	70832 (2)
Fan Shroud	70611-1
High Pressure Switch	84095-1
Low Pressure Control	84026-2
Oil Separator *	704-00003
Condenser	50777-6
Fan Switch	84096-1
Fan Switch	84096-2
Receiver Tank	51083
Liquid Valve	56596
Liquid Filter *	70126-3
Sight Glass *	70084-2
Suction Valve *	31529-1
Rotolock Valve Gasket	30233
Discharge Valve	56596
Suction Filter *	70082
Accumulator *	TK00044000
Crankcase Heater	90699
Defrost Timer *	N/A
Suction Shut Off Valve*	56500-K14
Liquid Shut Off Valve*	56500-K08
Shrader Valve Body*	56510
Valve Core*	56552
* = Equipped Units Only	

Electrical Diagram


CONTROL PANEL
RMC
LLS
T-STAT
P1 P2 P3 P4 P5
CRANK CASE HEATER
COMPRESSOR TERMINAL FENCE
CONTACTOR COIL
HP
LOW PRESSURE CONTROL
FAN2
FAN1
FAN1 SWITCH
FAN CYCLING PRESSURE SWITCH
COMPR. CONTACTOR
L1 L2 L3
DISCONNECT
IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.)
T1 T2 T3
DEFROST HEATOR CONTACTOR
RECEIVER HEATER
THERMOSTAT
DEFROST TIMER
DEFROST HEATER OR CONT. COIL
BLACK
RED
YELLOW
RMC REMOTE MASTER CONTROL
LLS LIQUID LINE SOLENOID VALVE
FIELD WIRING
FACTORY COMPONENTS
OPTIONAL FACTORY COMPONENTS
HP HIGH PRESSURE SWITCH
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. IF DISCONNECT SWITCH EXISTS IN THE CONTROL PANEL, CONNECT INCOMING POWER LEADS TO DISCONNECT SWITCH. OTHERWISE CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, & L3 IN CONTROL PANEL CONSISTENT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P4 AND P5 IN CONTROL PANEL. USE NO. 14 AWG. TO CONTROL. (MIN. 125 VA.)
3. IF DANFOSS CONTROL SWITCH IS USED, WIRES MUST BE CONNECTED TO TERMINALS 1 & 4.
4. DEFROST HEATER LOADS CAN NOT BE HIGHER THAN 30 AMPS.
5. REMOVE WIRE FROM L1 TO P1 WHEN INSTALLING A DEFROST TIMER. INSTALL A 10 AWG WIRE FROM L1 TO T2 ON DEFROST TIMER.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. WIRING IS NOT AFFECTED IF CRANKCASE HEATER & IT'S CONNECTIONS ARE OMITTED.
CHG. A
PART NO. 91263-03